



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE USA/0759/S-96, REVISION 0

East Building, PHH-23
1200 New Jersey Avenue SE
Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

1. Source Identification - Eckert & Ziegler Isotope Products source capsule Model LWD Series.
2. Source Description - Cylindrical double encapsulation made of MP35N alloy and fusion seal welded. Approximate outer dimensions are 14.33 mm (0.56 in.) in diameter and 63.5 mm (2.5 in.) in length. Construction shall be in accordance with attached Eckert & Ziegler Isotope Products Drawing No. LWDYYYY-REG, Rev. -, Sheet 1 of 1.
3. Radioactive Contents - No more than 592 GBq (16 Ci) of Americium-241. The Am-241 is in the form of an oxide mixed with beryllium, compressed as a pellet in a metal matrix.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires on September 30, 2013.

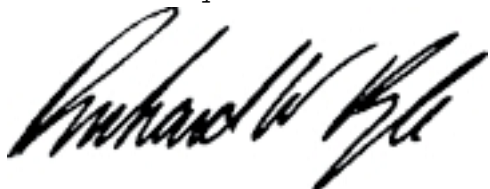
¹ "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

CERTIFICATE USA/0759/S-96, REVISION 0

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the September 11, 2008 petition by Eckert & Ziegler Isotope Products, Valencia, CA, and in consideration of other information on file in this Office.

Certified By:



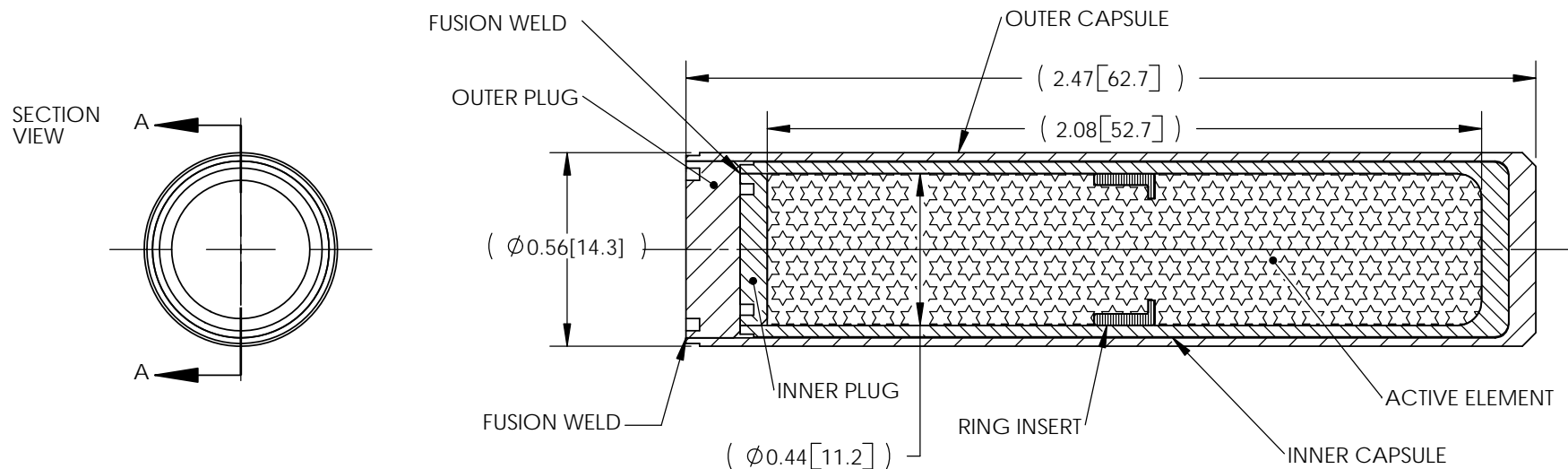
Sep 26 2008


(DATE)

Robert A. Richard

Deputy Associate Administrator for Hazardous Materials Safety

Revision 0 - Original issue.



MINIMUM CAPSULE ENGRAVING:
 "RADIOACTIVE" OR 
 RADIATION SYMBOL,
 NUCLIDE, ACTIVITY,
 SERIAL NO.,
 MANUFACTURER, MODEL NO.

NUCLIDE ACTIVITY
 SERIAL NO.
 MANUFACTURER, LWDYYYY

NOTE: MODEL NO. IS LWDYYYY
 WHERE YYYY = CAPSULE OR DRAWING NO.



Eckert & Ziegler
 Isotope Products

VALENCIA, CALIFORNIA 91355

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCH-
 SIZES. METRIC UNITS [mm] ARE IN MILLIMETERS.

DRAWN
 KP

ME/CHECKER
 JH

ENGINEER
 KP

TITLE

MODEL LWD SERIES

SERIES TITLE

CESIO CAPSULE FOR OIL WELL LOGGING

THIS DRAWING IS THE PROPERTY OF ISOTOPE PRODUCTS LABORATORIES
 AND MAY NOT BE USED, REPRODUCED, PUBLISHED OR DISCLOSED TO OTHERS
 WITHOUT EXPRESS AUTHORIZATION BY ISOTOPE PRODUCTS LABORATORIES.



SCALE
 NONE

SIZE
 A

CAGE CODE
 32993

DRAWING NO.
 LWDYYYY-REG

REV
 -

SHEET
 1 OF 1



U.S. Department
of Transportation

Pipeline and
Hazardous Materials
Safety Administration

East Building, PHH-23
1200 New Jersey Avenue SE
Washington, D.C. 20590

CERTIFICATE NUMBER: USA/0759/S-96, Revision 0

ORIGINAL REGISTRANT(S):

Ms. Frida Tan
Regulatory Affairs manager
Eckert & Ziegler Isotope Products
24937 Avenue Tibbitts
Valencia, 91355
USA